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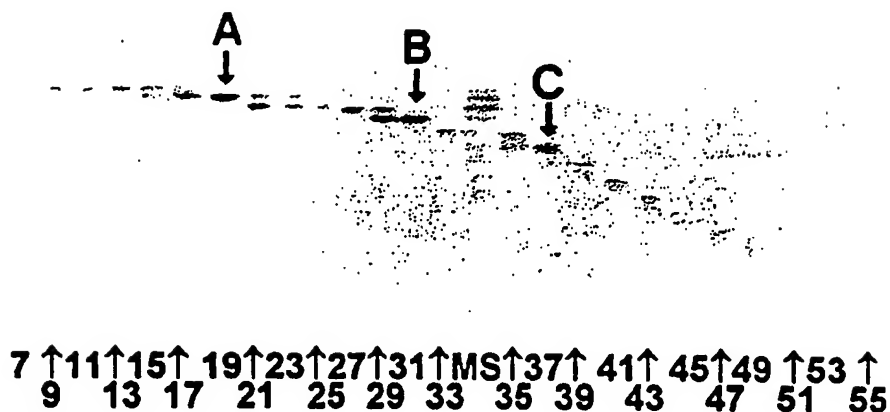


FIG.1A

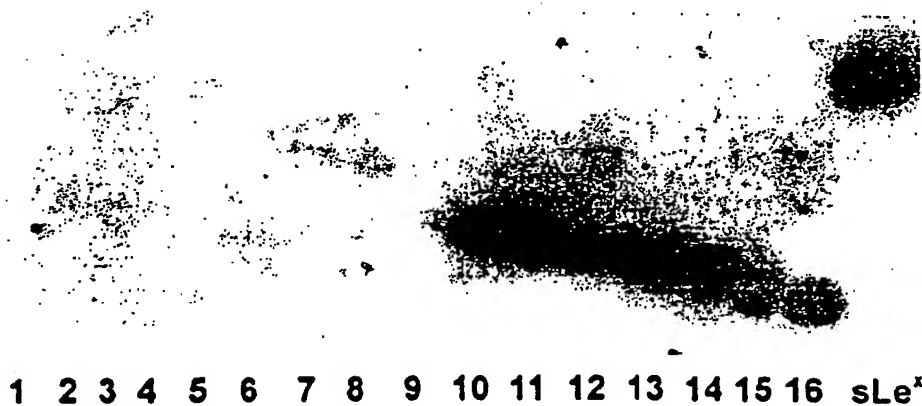


FIG.1B

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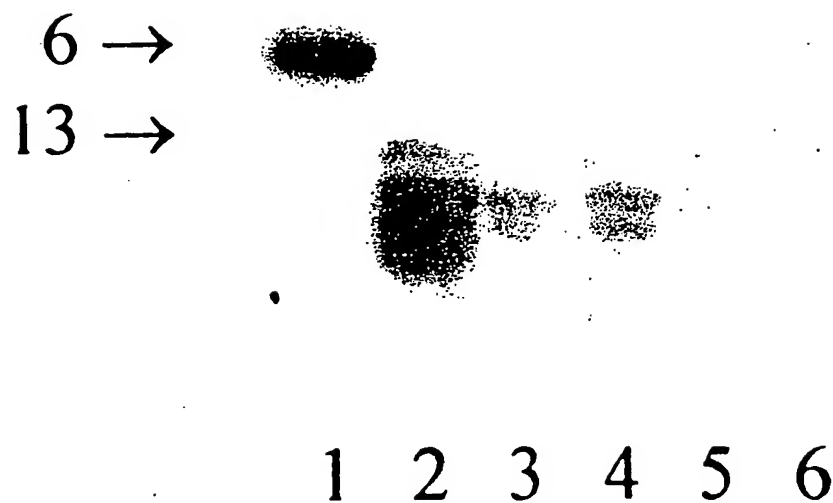


FIG.2

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•

1 2 3 4 5 6

FIG.3C

•

1 2 3 4 5 6

FIG.3B

•

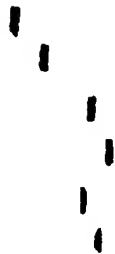
•

•

1 2 3 4 5 6

FIG.3A

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1 2 3 4 5 6

FIG.3F



1 2 3 4 5 6

FIG.3E



1 2 3 4 5 6

FIG.3D

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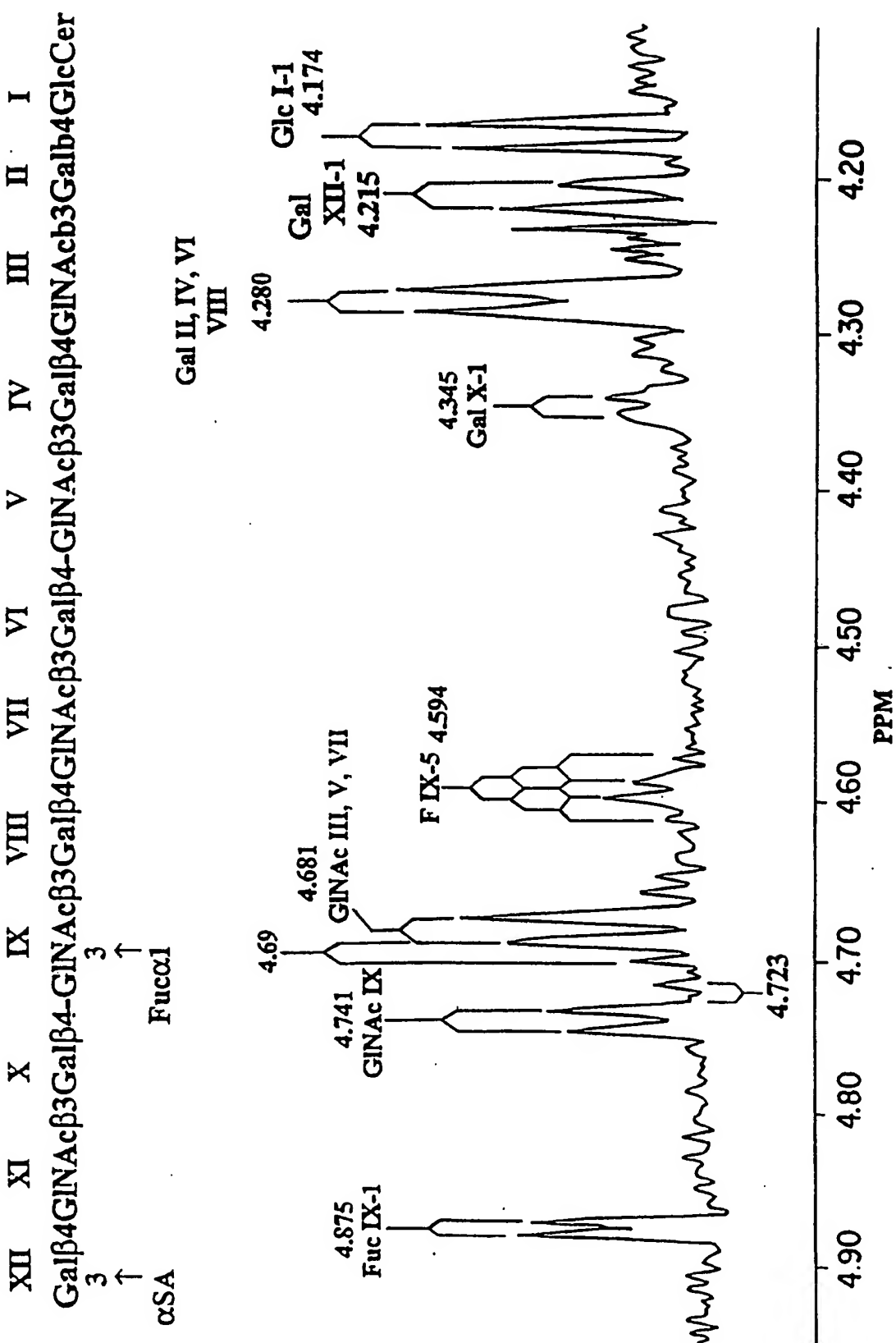


FIG. 4A

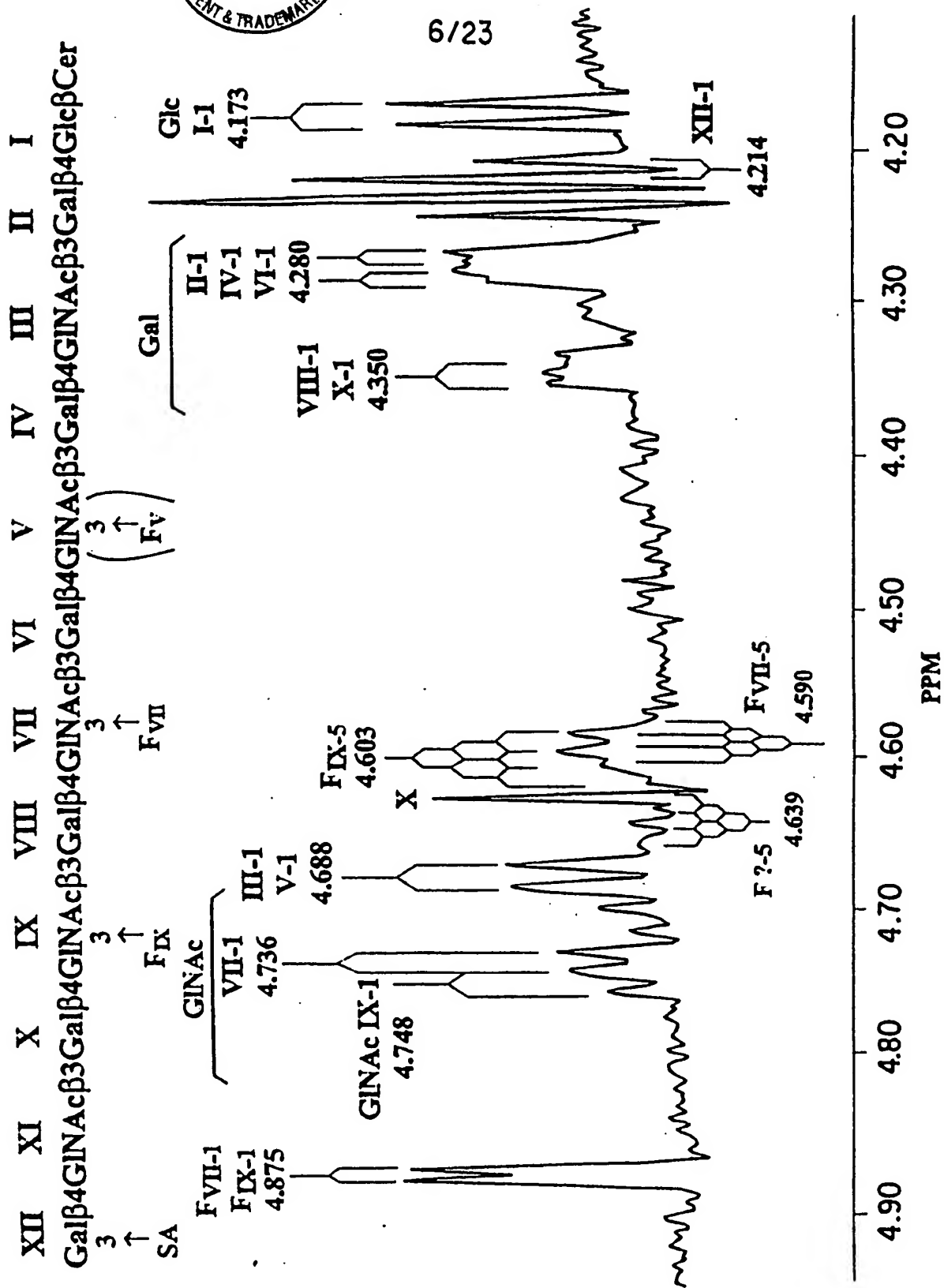
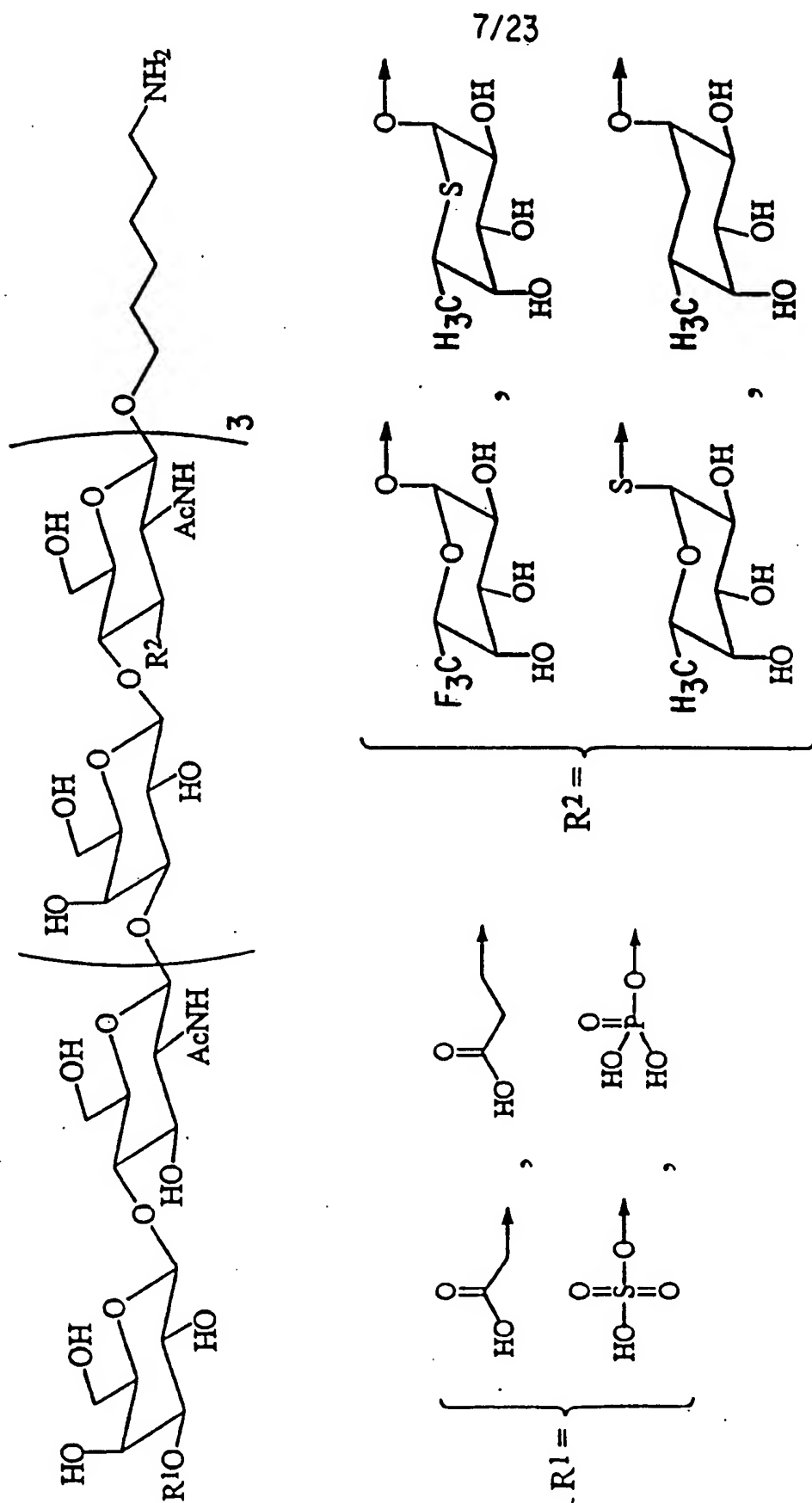


FIG. 4B



Myeloglycan mimetics

FIG. 5

Scheme I. Synthesis of Starting Material 4

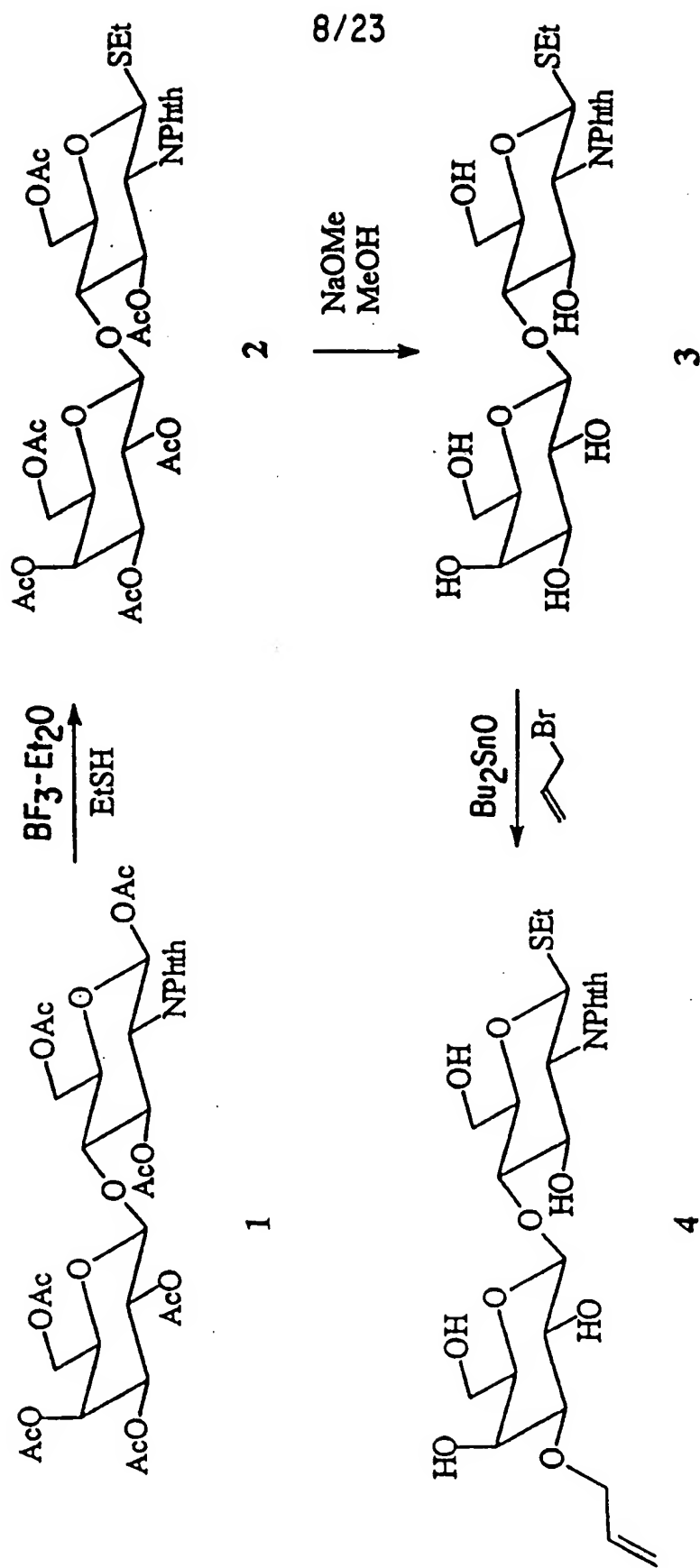


FIG. 6

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Scheme II. Synthesis of Lex Mimetics with CF₃-Fuc and 5-S-Fuc

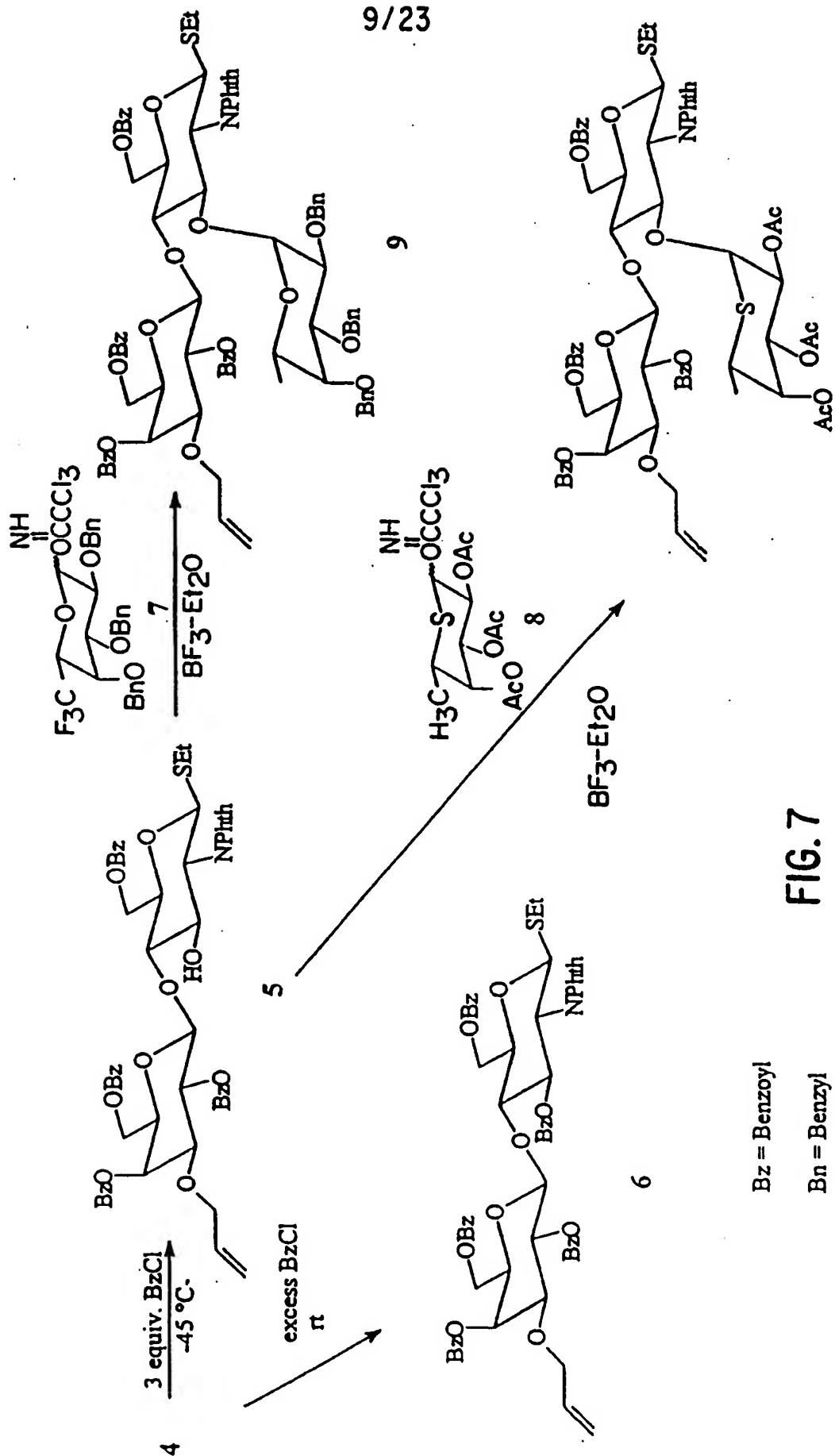


FIG. 7

Scheme III. Synthesis of Triflate 13

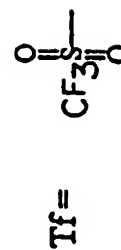
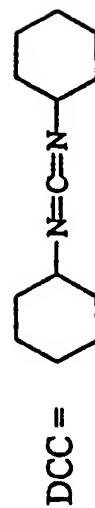
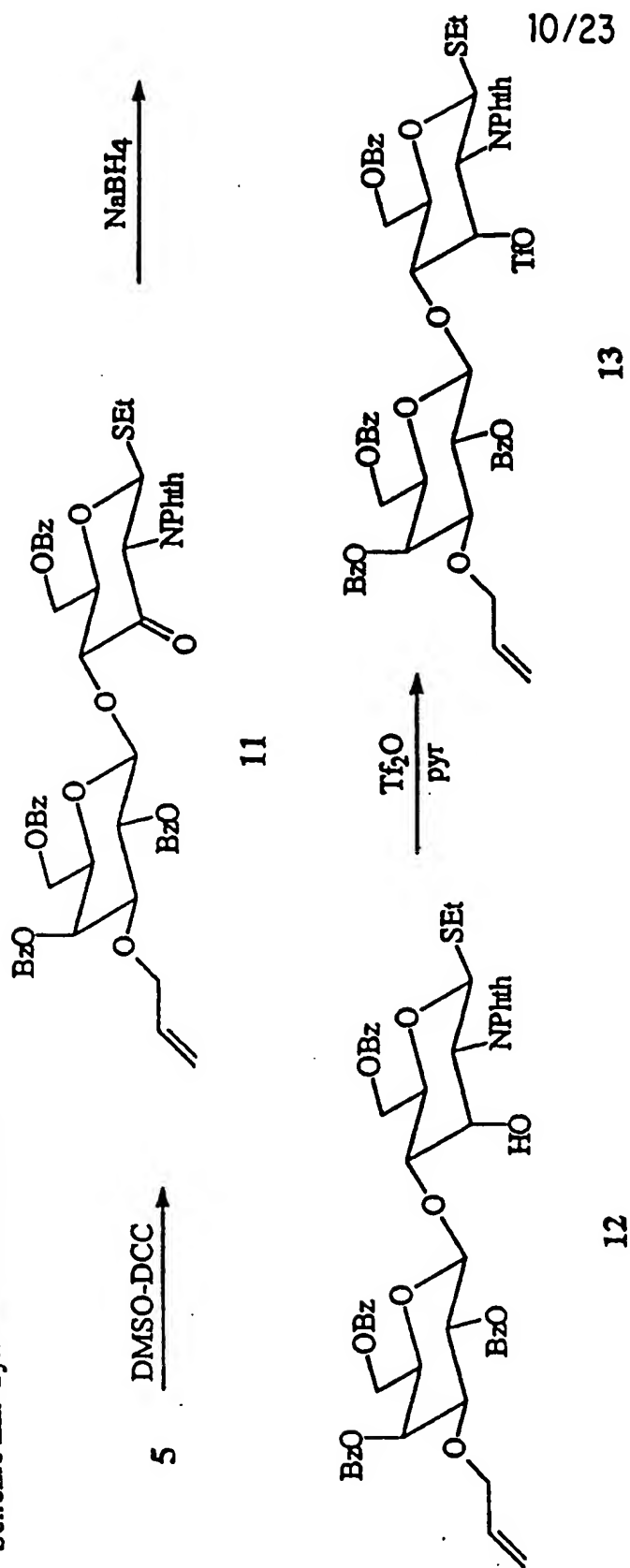


FIG. 8

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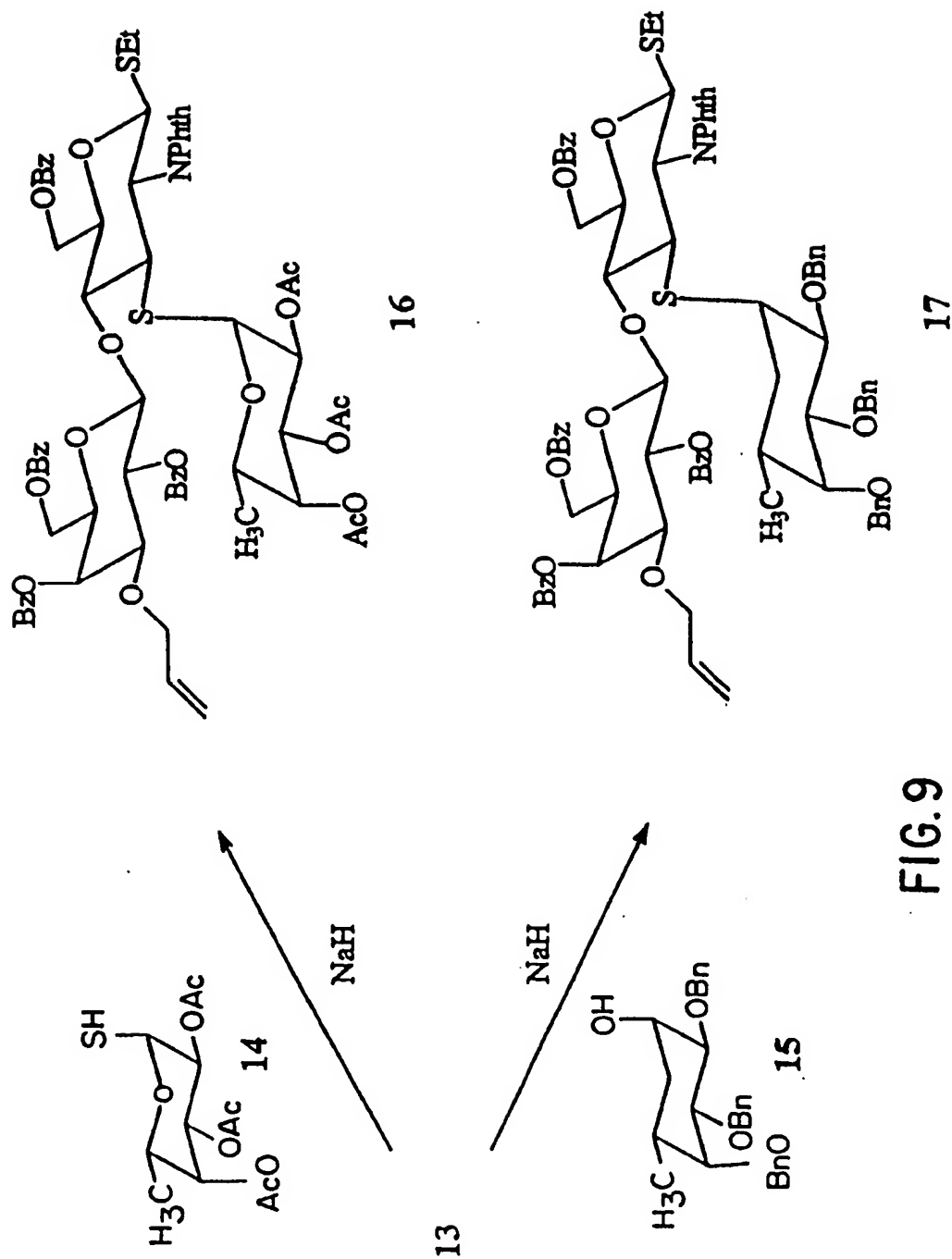
Scheme IV. Synthesis of Lex^x Mimetics with 1-S-Fuc and C-Fuc

FIG. 9

Scheme V. Attachment of a Tether to L α Mimetics

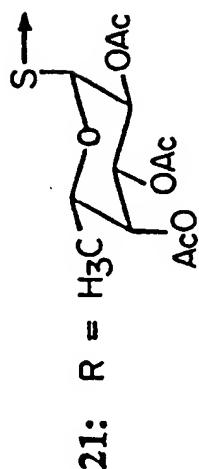
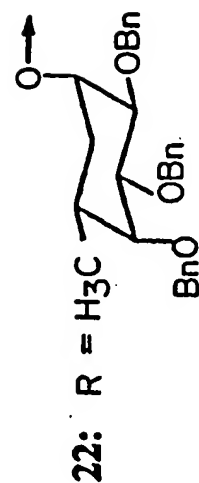
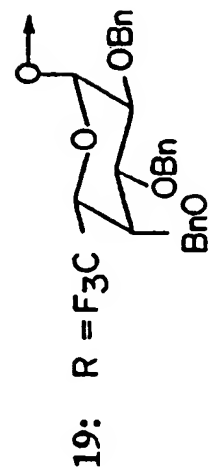
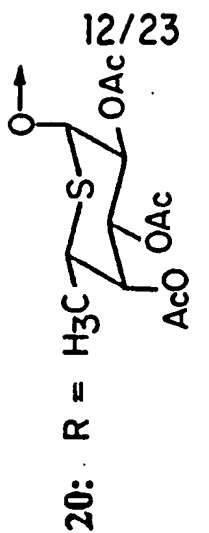
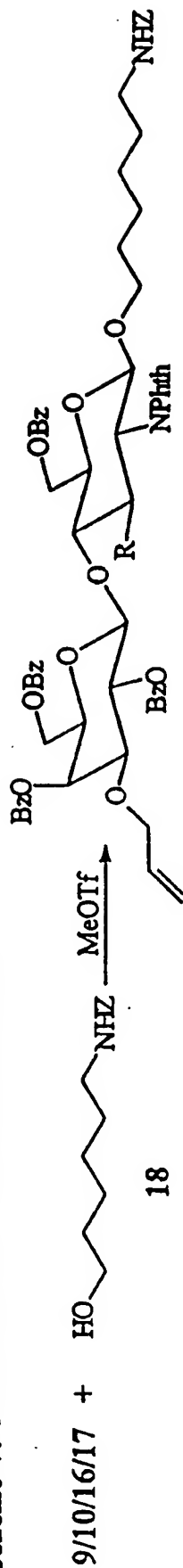


FIG.10

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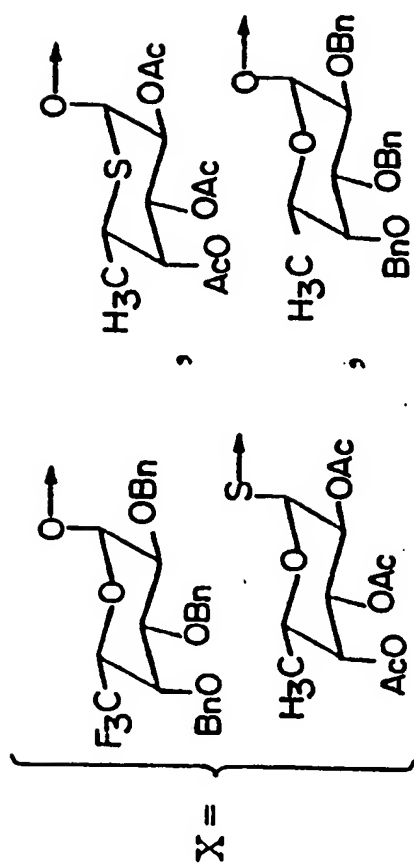
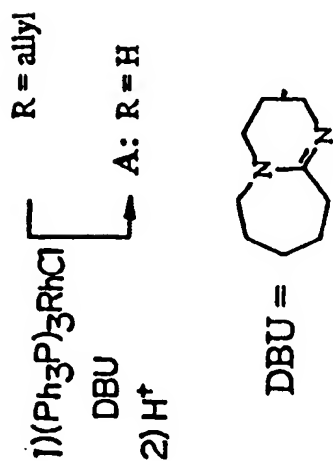
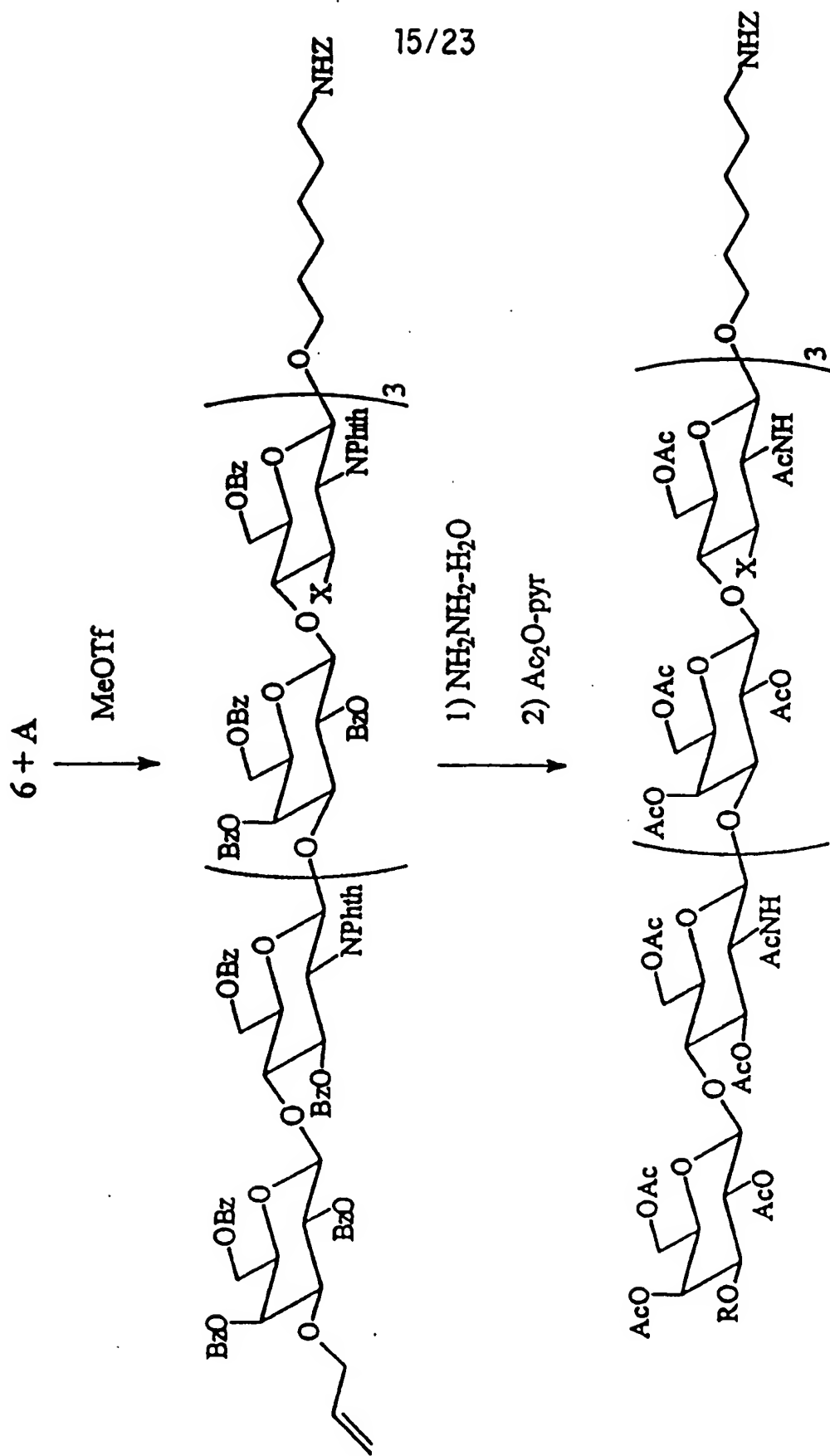


FIG.11B



Scheme VII. Synthesis of Tetralactosamine Core



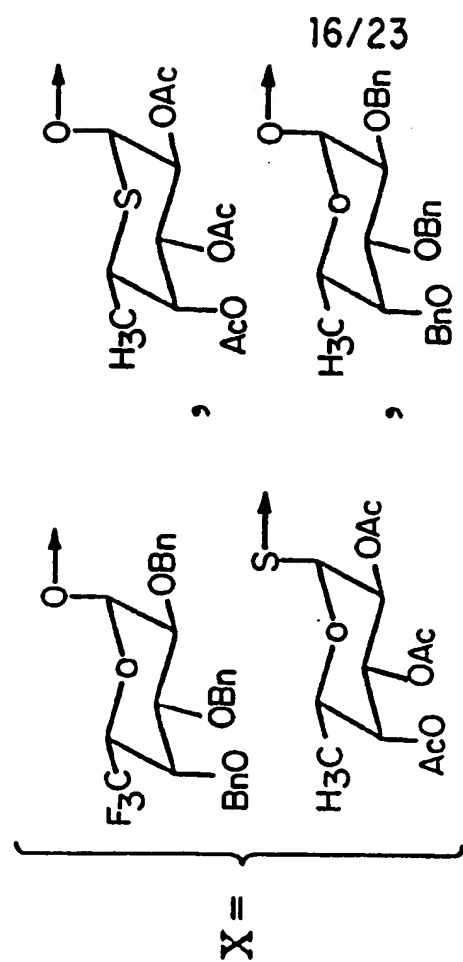


FIG.12B

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Scheme VIII. Synthesis of Myeloglycan Mimetics

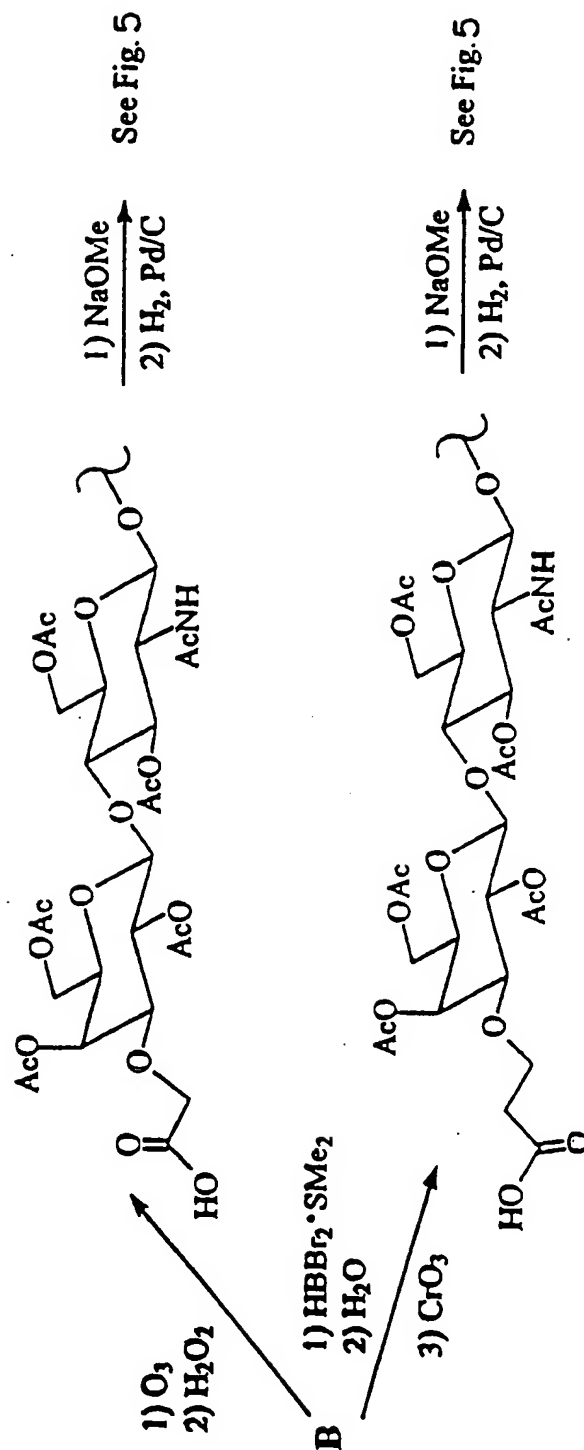


FIG. 13A

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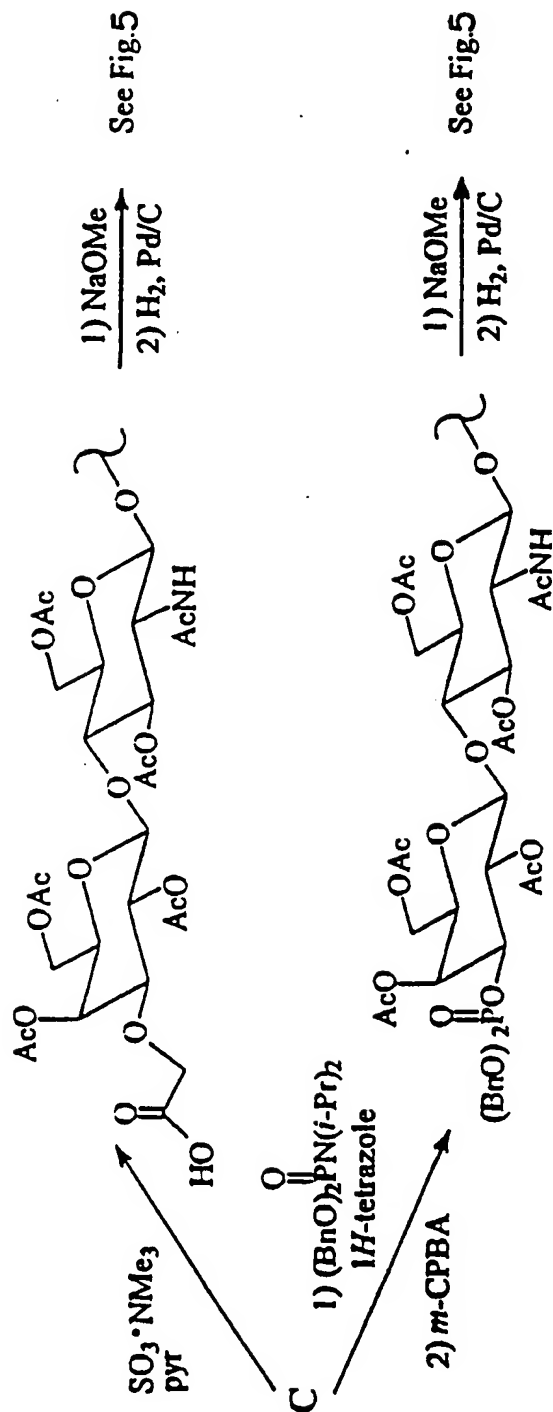


FIG.13B

Scheme IX. Starburst Structure

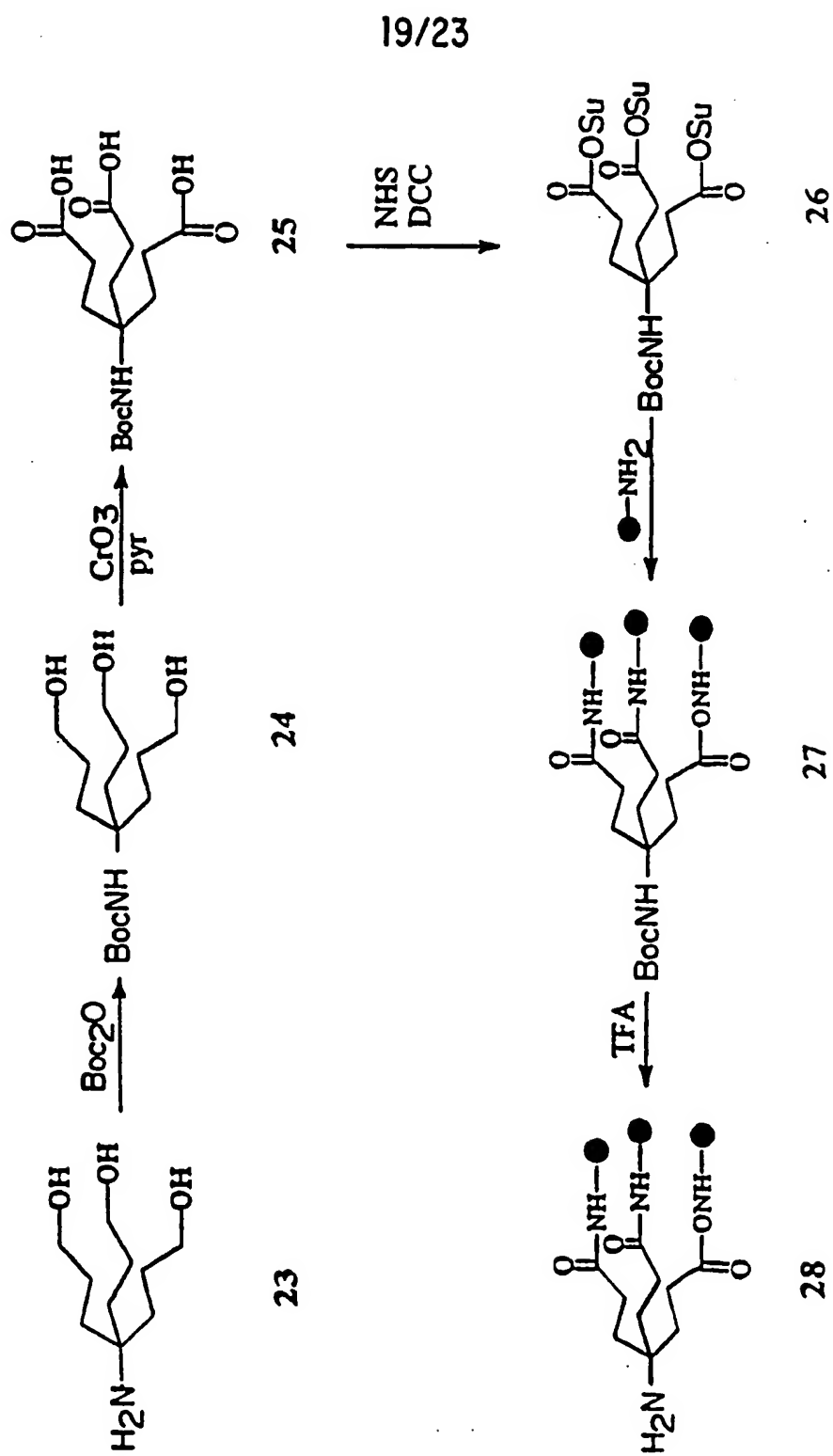
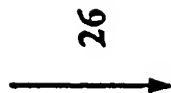
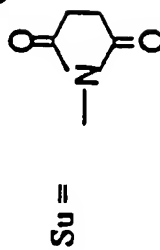
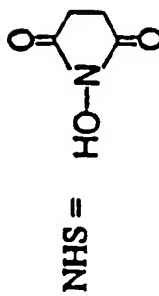
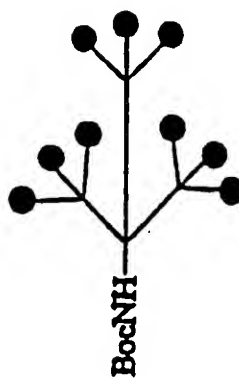


FIG.14A

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Scheme IX. Starburst Structure

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Boc = *tert*-Butyloxycarbonyl●-NH₂ = Myelloglycan mimetics

29

FIG.14B

Scheme X. Liposomes

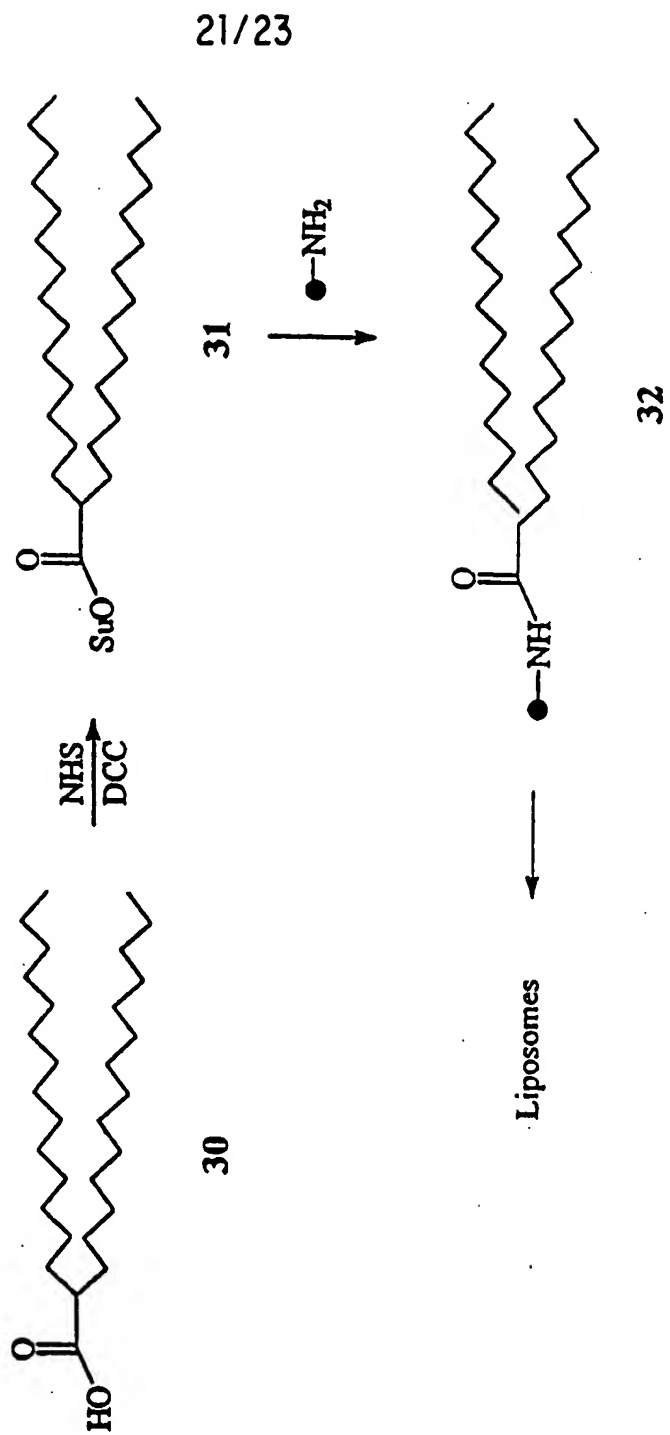


FIG.15A

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Scheme XI. Polymerization

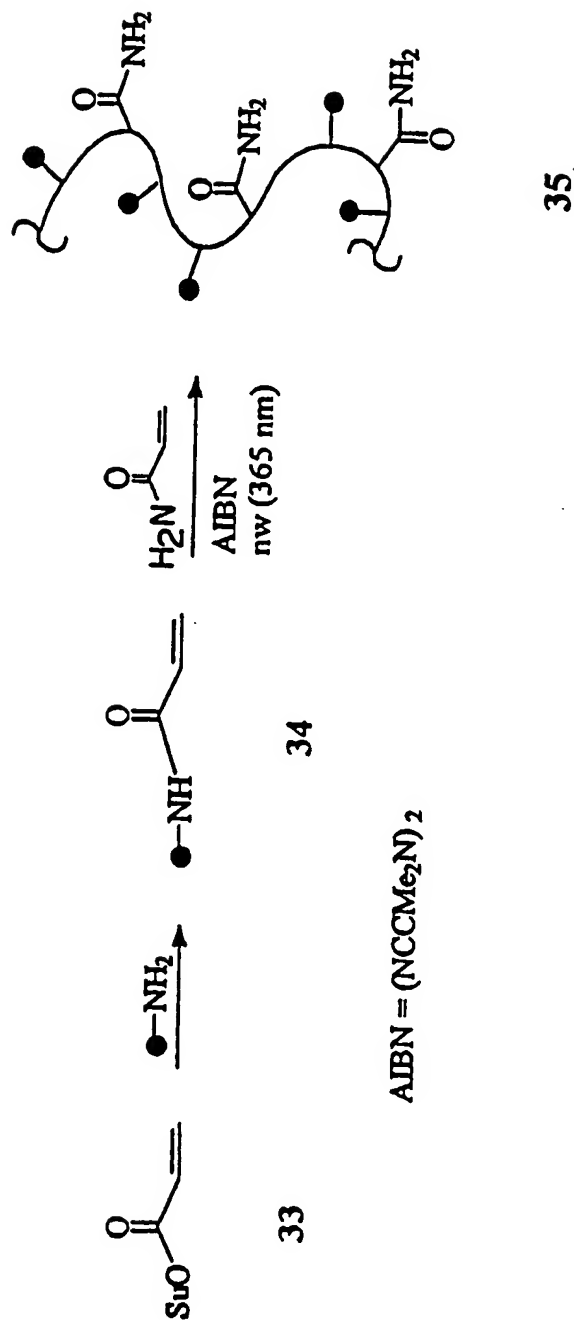


FIG. 15B

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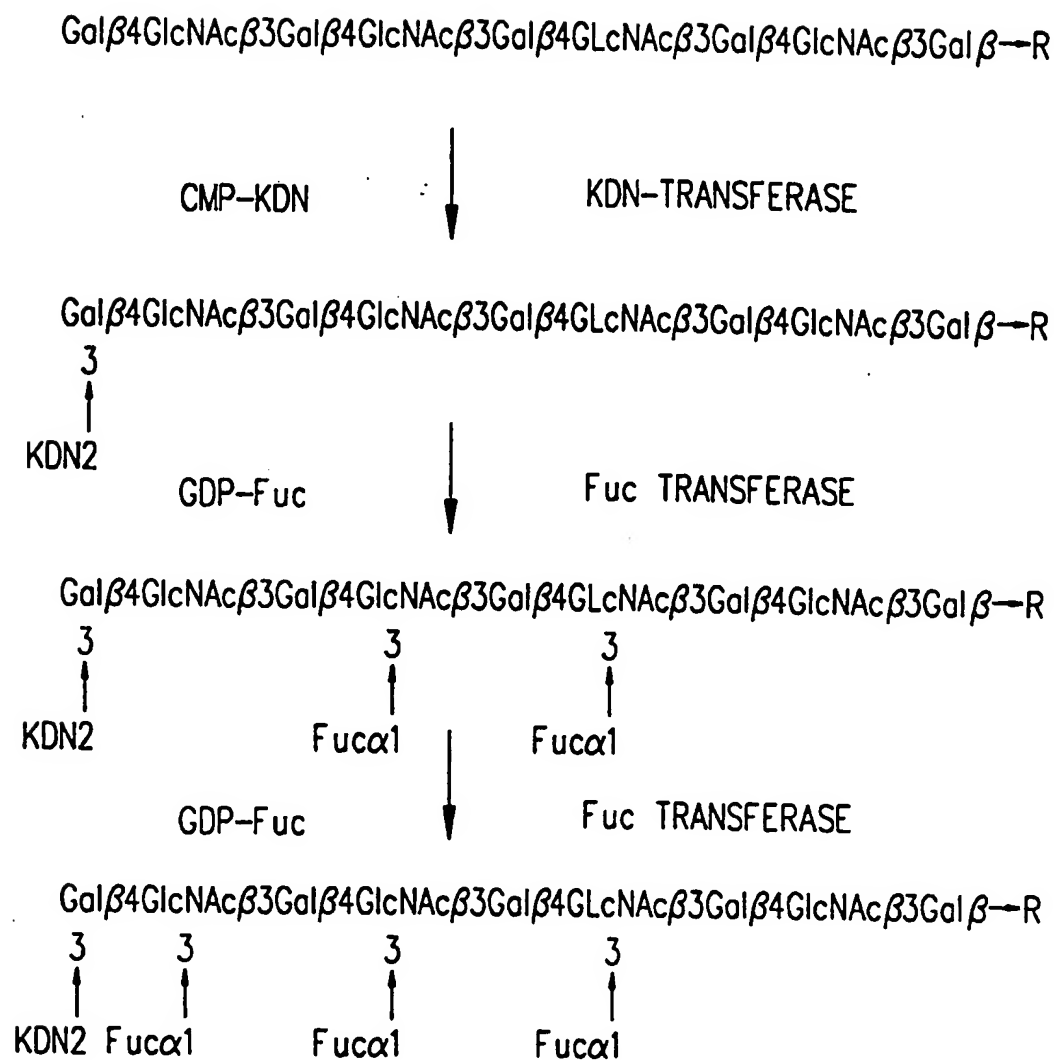


FIG. 16

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